

Laura Corner

List of Publications by Year in descending order

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papers

572
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471509

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36
times ranked

660
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-Referencing, Spectrally, or Spatially Encoded Spectral Interferometry for the Complete Characterization of Attosecond Electromagnetic Pulses. <i>Physical Review Letters</i> , 2005, 94, 033905.	7.8	53
2	Hydrodynamic optical-field-ionized plasma channels. <i>Physical Review E</i> , 2018, 97, 053203.	2.1	49
3	Excitation and Control of Plasma Wakefields by Multiple Laser Pulses. <i>Physical Review Letters</i> , 2017, 119, 044802.	7.8	39
4	Low-density hydrodynamic optical-field-ionized plasma channels generated with an axicon lens. <i>Physical Review Accelerators and Beams</i> , 2019, 22, .	1.6	37
5	Cavity-enhanced absorption spectroscopy with a rapidly swept diode laser. <i>Applied Physics B: Lasers and Optics</i> , 2002, 75, 745-750.	2.2	36
6	Multi-pulse laser wakefield acceleration: a new route to efficient, high-repetition-rate plasma accelerators and high flux radiation sources. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2014, 47, 234003.	1.5	36
7	Difference frequency generation in periodically poled lithium niobate and its use in the detection of atmospheric methane. <i>Chemical Physics Letters</i> , 2004, 399, 102-108.	2.6	34
8	Cavity-enhanced absorption spectroscopy of methane at 1.73 μm . <i>Chemical Physics Letters</i> , 2001, 333, 285-289.	2.6	33
9	Experimental Validation of a Novel Compact Focusing Scheme for Future Energy-Frontier Linear Lepton Colliders. <i>Physical Review Letters</i> , 2014, 112, 034802.	7.8	31
10	Cross sections in the $2^1_{1/2}5$ band of formaldehyde studied by cavity enhanced absorption spectroscopy near 1.76 μm . <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 445-450.	2.8	27
11	Measurements of pressure broadening coefficients of selected transitions in the $2^1_{1/2}5$ band of formaldehyde. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 3106-3112.	2.8	27
12	OH detection by absorption of frequency-doubled diode laser radiation at 308 nm. <i>Chemical Physics Letters</i> , 2000, 319, 125-130.	2.6	22
13	Experimental and theoretical characterisation of rhodium-doped barium titanate. <i>Optics Communications</i> , 1997, 143, 165-172.	2.1	19
14	Complete characterization of attosecond pulses. <i>Journal of Modern Optics</i> , 2005, 52, 361-378.	1.3	18
15	Guiding of high-intensity laser pulses in 100-mm-long hydrodynamic optical-field-ionized plasma channels. <i>Physical Review Accelerators and Beams</i> , 2020, 23, .	1.6	18
16	Generation of laser pulse trains for tests of multi-pulse laser wakefield acceleration. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016, 829, 383-385.	1.6	17
17	Meter-scale conditioned hydrodynamic optical-field-ionized plasma channels. <i>Physical Review E</i> , 2020, 102, 053201.	2.1	17
18	Sum frequency generation at 309 nm using a violet and a near-IR DFB diode laser for detection of OH. <i>Applied Physics B: Lasers and Optics</i> , 2002, 74, 441-444.	2.2	15

#	ARTICLE	IF	CITATIONS
19	Micron-scale laser-wire scanner for the KEK Accelerator Test Facility extraction line. Physical Review Special Topics: Accelerators and Beams, 2010, 13, .	1.8	12
20	Laserwire at the Accelerator Test Facility 2 with submicrometer resolution. Physical Review Special Topics: Accelerators and Beams, 2014, 17, .	1.8	7
21	Comparison of cross-section measurements of the 2 ¹ / ₂ 5 overtone band of formaldehyde determined by cavity ringdown and cavity enhanced spectroscopy. Chemical Physics Letters, 2003, 374, 28-32.	2.6	6
22	Micron size laser-wire system at the ATF extraction line, recent results and ATF-II upgrade. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 623, 564-566.	1.6	3
23	High power fiber laser system for a high repetition rate laserwire. Physical Review Special Topics: Accelerators and Beams, 2014, 17, .	1.8	3
24	Experimental investigation of high resolution imaging using Brillouin-enhanced four-wave mixing. Journal of Modern Optics, 1997, 44, 731-737.	1.3	2
25	An analysis of the three-valence model of photorefraction. Applied Physics B: Lasers and Optics, 1999, 68, 819-826.	2.2	2
26	A method for single-pass distortion correction using holography in rhodium-doped barium titanate. Applied Physics B: Lasers and Optics, 1999, 68, 1039-1042.	2.2	2
27	ATF extraction line laser-wire system. , 2007, , .		2
28	Multiple pulse resonantly enhanced laser plasma wakefield acceleration. , 2013, , .		2
29	Fibre lasers for gamma colliders. European Physical Journal: Special Topics, 2014, 223, 1207-1211.	2.6	2
30	Application of the three-valence model of photorefraction to rhodium-doped barium titanate. Journal of Modern Optics, 2003, 50, 2173-2183.	1.3	1
31	MEASURING ATTOSECOND XUV PULSES. , 2005, , JMC1.		0
32	Ultrafast amplified fiber laser for laser-wire measurements in particle accelerators. Proceedings of SPIE, 2008, , .	0.8	0
33	Laserwire: A high resolution non-invasive beam profiling diagnostic. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 740, 226-228.	1.6	0
34	Secondary wavelength stabilization of unbalanced Michelson interferometers for the generation of low-jitter pulse trains. Optics Letters, 2016, 41, 4068.	3.3	0
35	The coherent combination of fibre lasers â€œ Towards realistic applications. AIP Conference Proceedings, 2017, , .	0.4	0